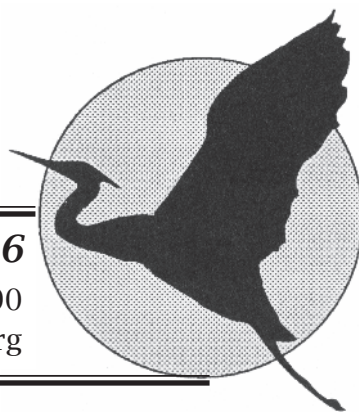


Voice of the Haw



The Haw River Assembly *April 2016*



P.O. Box 187 · Bynum, NC 27228 · (919) 542-5790

email: info@hawriver.org · www.hawriver.org

The Ancient Rocks of the Haw River

Have you ever wondered about the large boulders and rocks of the Haw River, and the fast dropping stream gradient, that makes it the best whitewater in the Piedmont? We had the pleasure earlier this year of hiking the steep rocky western banks of the Lower Haw River State Natural Area with Dr. Phil Bradley (*pictured at right*), Piedmont Geologist with the North Carolina Geological Survey. Here's a synopsis of the fascinating story he shared with us.

In the Beginning....Volcanoes off of Gondwana

The large outcrops and boulders we see exposed along the Haw River, especially in Alamance and Chatham counties, were once part of a volcanic island arc formed off the coast of the ancient continent Gondwana, around 630 million years ago. Gondwana included portions of the present day African, South American, and Antarctica continents. This volcanic island arc, called Carolinia, was formed by the subduction of an oceanic plate causing magma to rise to the surface. As these volcanic islands emerged above the ocean surface, erosion of the volcanic rocks created sediments that were carried down into the sea. Over the next 20 million years, these volcanic islands continued to erupt and erode, creating volcanic (igneous) and sedimentary rocks. Later, the volcanic arc collided with another island arc, folding and metamorphosing the rocks. This ever-changing violent

beginning of our Haw River lands can be seen in the outcrops and loose rock in the river today. The apparently uninteresting lichen or clay covered rocks, when broken open, reveal rocks made from lava, tuff (rock formed from volcanic ash), or sediments, that were metamorphosed (changed by heat and pressure) and folded millions of years ago. How did they end up here in North Carolina?

Ancient Worlds Collide

Approximately 450 million years ago, the Carolinia volcanic island arc slammed into ancient North America (called Laurentia by geologists), forming a coast range of mountains, and deforming and folding the rock layers into metamorphic rock. Then, approximately 300 million years ago, the African side of the ancient continent Gondwana slammed into Laurentia forming the 1,000 mile long Appalachian Mountain chain *continued on p. 7*



Photo by Elaine Chiosso

Haw River Festival in Saxapahaw May 7th, 4 - 8 pm



Join us in our annual **HAW RIVER FESTIVAL** on the Haw River in Saxapahaw – Saturday May 7 from 4 to 8 pm! For directions and more info, visit www.HawRiver.org, or www.RiverMillVillage.com.

We'll have **live music** from * Village Band of Chapel Hill *
Zambamboogie with Jabu Graybeal, tapdancer extraordinaire *
Diali Cissokho * Luis Del Río

* stream monitoring * canoe rides for kids * info on watershed
issues * T-shirts new & vintage * live music * local arts & crafts
* food trucks * farmers' market *

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To join the Haw River Assembly or renew your

membership, send a check to:

**HRA, P.O. Box 187,
Bynum, NC 27228.**

Individual: \$25; Family: \$40

Sustaining: \$50;

Heron Circle: \$100 & above

Low Income: \$10

*The Haw River Assembly is a nonprofit grassroots organization founded in 1982. Our mission is to protect and restore the Haw River, its tributaries, and Jordan Lake; and to build a community that shares this vision. (919) 542-5790
www.hawriver.org*

Notes from the Haw

We have lots of changes going on at the Haw River Assembly this year! It's the Chinese zodiac Year of the Fire Monkey - famous for being a time to shake things up and create change, and we seem to be doing just that. We were given an amazingly generous donation at the beginning of the year that will enable HRA to have much greater financial sustainability well into the future. This couldn't have come at a better time since we found out we will need to be looking for a new home for our HRA office this coming year (the house we have been renting in Bynum is going to be sold). We'd like to stay close to the river - if you have any tips or ideas, let me know. We are interested in finding a more permanent place to call home.

Tracy DeVoe, our Watershed Education Coordinator, has left HRA for a new job with the Stormwater Smart program in the Triad. This is a great opportunity for her, and we wish her all the best, as well as a huge thanks for the 3 years of passion and great work

she put into our river education and monitoring programs here at HRA. She will be greatly missed, but we hope to have many opportunities to partner with her on programs in the upper part of our watershed, in the Triad. We are now in the process of hiring a new person for our fulltime Watershed Education Coordinator position - which includes organizing and on-site staffing of the Learning Celebration in the fall. If you or someone you know is interested in finding out more about this job, please contact me at info@hawriver.org or (919)542-5790. In the meantime, Allison Weakley (pictured below leading LC 4th-graders on a river walk) has stepped in part-time as interim staff for this position to help keep our programs running - much thanks to her!

I've had a wonderful time organizing hikes on the Lower Haw River State Natural Area this year - with our amazing guides Mike Dunn, Allison Weakley, Phil Bradley, and Ken Moore. We've been learning about the flora, fauna and geology of this beautiful whitewater river and the forest that borders it. We will end the cool season with a hike to see the mountain laurel in bloom in May, and will keep you posted about many opportunities to paddle the river as the weather warms up.

Join us for the Haw River Festival on May 7 from 4-8 pm, as we kick off the beginning of the Saturdays in Saxapahaw summer concerts and farmers' market on the hill above the river. It's always a great time, and our lineup of bands is worth the trip - as well as a chance to walk the new trails along the river and island in Saxapahaw. Plus a wonderful array of art and more at our silent auction, and a chance to win the kayak being raffled. See you there!



Elaine Chiosso and Tracy DeVoe explore the Haw River Headwaters.



Photo by Cynthia Crossen

From the river, Elaine Chiosso, HAW RIVERKEEPER®



HAW RIVERKEEPER®

Issues in the Watershed

from Elaine Chiosso, HAW RIVERKEEPER®

Draft Jordan Lake Allocations for Drinking Water Supplies

The fourth and final round of allocations for drinking water allocations from Jordan Lake to local governments is undergoing public scrutiny. Requesting water are: Cary/Apex/Morrisville, RTP (largest withdrawal at 46.2 mgd), Chatham County, Durham, Hillsborough, Holly Springs, Orange County, OWASA, Pittsboro, and Raleigh. The allocations do not consider the impact on water quality, ecological integrity and aquatic life, or the future impacts of climate change. HRA is also concerned about the interbasin transfer from the Haw and Cape Fear basins to the Neuse River basin, including the allocation to Raleigh. Read the Haw Riverkeeper comments to the state and get the link to the Dept. of Environmental Quality documents, *Jordan Lake Round 4 Water Supply Allocations* on our website, www.hawriver.org under "River Issues." Public comments are due May 18 and can be sent to jl4-cfrwse@lists.ncmail.net or by mail to Jordan Lake Comments, Division of Water Resources, 1611 Mail Service Center, Raleigh, NC 27699.

More Bad News for the Jordan Lake Solarbees

A new report from the NC Dept of Environmental Quality looked at the ineffectiveness of using in-place algae suppression devices (like Solarbees) in large reservoirs instead of reducing incoming nutrient pollution. Here's a quote from the report, *Survey of In Situ Strategies for Mitigation of Water Quality Impairments in North Carolina*: "Efficacy of in situ and lakeside technologies are generally predicated on first reducing upstream nutrient inputs to the maximum extent practicable. Nutrient management approaches that rely heavily on these technologies instead of reducing nutrient inputs to the watershed would appear to disregard the fundamental premise of the Clean Water Act." It's time to remove the Solarbees from Jordan Lake and get back to reducing pollution from all upstream sources.

Coal Ash Hearings – Stop Poisoning Our Waters NOW!

Citizens from across the state attended hearings in March about risk assessment levels that will determine how and when Duke Energy has to clean up its coal ash ponds. Speakers showed up in Pittsboro with a loud message: stop polluting the Cape Fear River with coal ash! There are FIVE coal ash pits containing an estimated 5,670,000 tons, leaking their toxins into the Cape Fear River in Chatham County, just below the confluence of the Haw and Deep Rivers. The state is proposing a classification of "Intermediate Risk" for these ponds – even though its own report classifies the danger of coal ash contaminants to surface waters, ground waters, and downstream water supplies on the Cape Fear river to be "High Risk." The dams holding back the coal ash have a "high hazard" rating. A classifica-

tion of "Intermediate Risk" means the ash ponds won't have to be excavated and closed until 2024! Until then they will keep poisoning the Cape Fear River, a water supply for over 500,000 people downstream. Written comments are due April 18 to capefearcomments@ncdenr.gov or mail to:

N.C. Department of Environmental Quality, Attn: John Holley, 3800 Barrett Drive, Raleigh, NC, 27609.

Injunction Against Fracking in NC Continues

A State Supreme Court ruling this winter is favorable to our legal challenge of the Mining and Energy Commission. Fracking is on hold in NC due to a lawsuit by the Haw River Assembly against the Mining and Energy Commission (MEC) that challenges the constitutionality of the Mining and Energy Commission, and the validity of its rules. The McCrory v. Berger decision by the State Supreme Court means that the MEC, when it existed, was also unconstitutional. This case continues to

be stayed for now, and the Commission continues to be enjoined from accepting fracking permit applications and/or forming drilling units. In the meantime, let's keep up the pressure with our elected officials regarding fracking! No rules can make fracking safe for our waters and communities, and new reports of its dangers are being released every day.



Photo of Great Blue Heron by Elaine Chiosso

Chatham Park

The Haw Riverkeeper urged the Town of Pittsboro on January 11 to require the mega-development, Chatham Park, to submit a full Environmental Impact Assessment and to appoint a citizen advisory committee. The current discussion to build an \$18 million sewer line to Sanford to accommodate the build out of Chatham Park puts the cart before the horse. Chatham Park must be required to submit a full Environmental Impact Assessment for the total 7,200 project acres. The current piecemeal approach through small area plans is completely inadequate and will not tell us the true costs to the water quality of the Haw River and Jordan Lake, or the impact on the Lower Haw River State Natural Area. Only a full EIA will reveal those facts. We also urge the Pittsboro Board of Commissioners to establish a Citizen Advisory Committee to use the knowledge and diversity in our community as these critical decisions are being made.

The 26th Haw River Cleanup!



The March 19th Haw River Clean-Up-A-Thon started out as a chilly day with a few sprinkles, but almost all the teams decided to stick with it and get the trash out of the waters. We're so glad they did! Much appreciation to the **314 volunteers on 18 teams** along the Haw River and at Jordan Lake. Together they removed **505 bags of trash, 49 tires and a whole lot of junk** that had been despoiling and polluting our waters. Since 1991, our annual Haw River clean-up has really made a difference – 4704 volunteers have removed 8,676 bags of trash, 1,672 tires, and tons of other junk, including appliances and parts of old cars, and many entries for our Weird Trash category!

On the **Haw River at Burch Bridge Road in Guilford County**, Max Lloyd and Carolyn Rhode, with **Girl Scout troop 2517 (at left)**, picked up 12 bags of trash, a dresser drawer, and fishing a pole.

Staley Creek in North Park in Burlington was a new site for us this year and the team led by **Tracy DeVoe** cleaned up 5 bags of trash – with a lot of broken glass.



The **Haw River Hwy 54 paddle access in Graham** was also a new site this year, cleaned up by **Boy Scout troop 41 (at left)** led by **Noel Peyton**. Their haul was 12 bags of trash, 8 tires and discarded toys.

Little Alamance Creek at South Graham Park was our third new site in Alamance County, with a group from **Alamance Community College** led by **Madelaine Lance** and **Daniel Sigmon**, picking up 30 bags (3 recycling), and 4 tires. They also found a computer, car radios, plastic chairs, bicycles, skate board, lawnmower, vinyl gutter and siding, garden hose, stroller, and car bumper.

The **Boy Scout Camp on Saxapahaw Reservoir on the Haw** was cleaned up again by the **Homeschool Community Group** with **Mardi, Zella and Cosmo Magoo (at right)**. They found 8 bags of trash and a tire, plus the head of a Rock'em Sock'em Robot and a bag of dead pet store fish – definitely Weird Trash Award entries!



The **Saxapahaw Lost Island team (at left)**, headed up by **Chris Carter**, is one of our most adventurous, crossing the river to get to their "treasure!" They pulled about 10 bags of trash off the island.

Jeff Pettus keeps the area around **Chicken Bridge in Chatham**

County cleaned up year-round! For the March clean-up he picked up 2 bags of trash and a bunch of old metal.

The **Dry Creek** team, led by **Cathy Markatos**, combined with the **Haw River at Rock Rest** team, led by **Cynthia Crossen**, picked up 3 bags of trash.

The **Haw River at Bynum** had a lot of volunteers, including local **Girl Scout Troop 1006 (below left)** and a group from **Solitude Lake Management (below right – also a Clean-up sponsor!)**. These volunteers picked up 23 bags of trash and 1 tire, as well as shelving, bumper, signs, tin roofing, and lots of fishing line.



At the **south side of the 15-501 bridge Anne Geer** led a team that removed 8 bags of trash, plus a frying pan and silverware organizer.





At the **north 15-501 bridge area**, **Simon Maarten Thomas** (at left) led a group of volunteers from the **Fearrington Green Scene** club, who cleaned up 7 bags of trash plus a used pinata, life vest, and men's clothes.

Paddlers led by **Bob Brueckner** and **Larry Ausley** hunted the islands and river banks from **Bynum down to Hwy 64 bridge** starting in the winter, and pulled out 45 bags of trash, 3 tires, and some junk that included 2 gallons of paint. A special thanks to the paddling team!

Sarah Goddin and **Scott Bryan** (at right) picked up 4 bags of trash along the east bank of the **Lower Haw River State Natural Area near Redbud**.

Another team, led by **Amanda Robertson** with **Pittsboro Matters** worked their way **upstream from the bridge** and removed 3 bags of trash. Nancy Strong led a team **downstream of the bridge** to get 9 more bags. This beautiful section of the river looks a lot better now!

On the **west bank of the Lower Haw River State Natural Area**, Elaine Chiosso led a team of hikers to pick up 10 bags of trash that included more broken pieces of styrofoam than imaginable, and also a basketball – plus the Weird Trash entry of a fake eyeball (at left, held by **Wallace Ambrose**).

Robeson Creek in Pittsboro was cleaned up by a team led by **Gary Simpson** – who took out 44 bags of trash (16 were recycling) plus hypodermic needles, a “sealed” headlamp full of water, knee brace, Foothills 10th anniv. beer glass, and a paper shredder! What’s going on in Pittsboro?

And for the grand finale, the mighty **Clean Jordan Lake team** (at right) of 165 volunteers including boaters, hauled out 270 bags of trash, and 31 tires from the **New Hope Overlook at the bottom of Jordan Lake** – where all that trash we DON'T pick up finally lands.



Join Us in Thanking Our 2016 Clean-Up-A-Thon Business Sponsors

AbunDance Healing Arts (Kim Calhoun), (919) 636-2545, kimcalhoun@gmail.com, abundancehealingarts.com

Additions Plus (Stan & Patti Stutts), Pittsboro, (919) 968-3737, sestutts@mindspring.com

Auto Logic, 200 West Main Street, Carrboro, (919) 933-6609, autologiconline.com

Auto Pro, 5522 US-15, Pittsboro, (919) 542-0964

Benjamin Vineyards & Winery, 6516 Whitney Rd, Graham (Saxapahaw), (336) 376-1080, benjaminvineyards.com

Bish Enterprises (John McSween), Siler City, (919) 663-3336 (Bish closed their doors on April 1 - we will miss them!)

Carrburritos (Gail Fairbanks), Carrboro, (919) 933-8226, carrburritos.com

Cure Nursery (Bill & Jennifer Cure), 880 Buteo Ridge, Pittsboro, (919) 542-6186, www.curenursery.com

CW Dunn and Associates, CPA's, PLLC, 326 West St., Pittsboro, (919) 542-5228, cwdunnncpa.com

The Eddy Restaurant and Pub, 1715 Saxapahaw-Bethlehem Church Rd., Saxapahaw, (336) 525-2010, theeddypub.com

Furniture Lab, 106 S. Greensboro St., Carrboro, (919) 913-0270, www.furniturelab.com

Grove Winery and Vineyards, 7360 Brooks Bridge Rd., Gibsonville, www.grovewinery.com

Haw River Canoe & Kayak Co., Saxapahaw, (336) 260-6465, www.hawrivercanoe.com

Hobbs Architects, (919) 545-2004, www.hobbsarchitects.com

Jones Architecture, 2005 Beecham Circle, Raleigh, (919) 510-8186

Lynn Hayes Properties, 103 W. Weaver St, Carrboro, (919) 968-9989, lynnhayes.com

Mellow Marsh Farm, 312 Woody Store Rd., Siler City, www.mellowmarshfarm.com

Pittsboro Toys, 44 Hillsboro St. Suite B, (919) 545-1546, www.pittsborotoys.com

Solitude Lake Management, www.solitudelakemanagement.com

Swanson & Associates (David Swanson), 100 East Carr St., Carrboro, (919) 929-9000, www.swansonlandscapearchitecture.com

Townsend Bertram & Co., 200 N. Greensboro Street, Carrboro, www.tbandc.com

Weaver Street Realty, 116 E. Main St., Carrboro, (919) 929-5658, www.weaverstreetrealty.com

SPECIAL THANKS to the following partners and supporters for helping us with trash collection, supplies, and organizing:

* Alamance Parks and Recreation * Bynum Ruritan Club * Carolina Canoe Club * Chatham County Solid Waste Dept. * Clean Jordan Lake * Fearrington Green Scene * Haw River Canoe & Kayak Co. * NC Dept. of Transportation * Saxapahaw Rivermill

Watershed Education

Haw River Learning Celebration for Schools

September 24 - October 14, 2016

This will be the 27th year the Haw River Learning Celebration (LC) takes to the banks of the river in Bynum, Saxapahaw, and at Camp Guilrock, where musicians, teachers, artists, story tellers and dedicated river enthusiasts introduce the wonders of our watershed to excited fourth graders. This incredible event can host up to 1,400 students from six watershed counties! The 2016 Online LC Volunteer Registration Form and other information about the Learning Celebration can be found on our website, at www.hawriver.org under Projects → Our 4th Grade Haw River Field Trip – and we recommend you sign up early. Tell your friends about the LC too – it's an amazing volunteer experience, working and living with others who value our environment, and teaching children about it. Feel free to contact the Haw River Assembly with any questions, at info@hawriver.org. Let's make 2016 another successful Learning Celebration – bridging connections between children, nature, and the Haw River. Cheers to another season on the river!



Haw River Watch Project

The next **upcoming stream monitoring weekend** is **June 25th and 26th**. Thank you everyone for all your monitoring efforts! Thanks to Zack MacKenzie for helping HRA redesign a database for Haw River Watch.

Online Survey Form & Data Input We now have the survey form online at our website: www.hawriver.org under Projects → Stream Monitoring. Once you are on the page, scroll down to: “NEW! Online Haw River Watch Survey Form.” This is a fast and easy way to send your data. Download or print the document to have a copy for your own files.

A **newly revised Haw River Watch Manual** is being published! A very special thank you to Jamie Saunders for designing and implementing diagrams and illustrations, as well as editing and formatting.

For more information on how *you* can become a River Watch Volunteer, please visit our website at www.hawriver.org or contact Allison at WatershedEducationCoordinator@gmail.com or (919) 542-5790.



Photos on this page by Cynthia Crossen



Tracy, center, with LC volunteers in Bynum.

From Tracy DeVoe, who is moving on to new opportunities

I would like to thank all of my HRA family for helping to make the past three years one of the most incredibly inspiring times in my career to date. From the first day onsite at the Learning Celebration, I was moved beyond words by the amazing individuals who help bring to life the LC each and every year. Not only are they leaders of our watershed communities, they are also some of the most creative, insightful, loving, and kind folks imaginable. There is no doubt that the LC community is thriving still to this day due to being guided by love for all the children, love for the river, and all of nature that we depend on. This same dedication to protecting the river is shown by our wonderful crew of River Watch volunteers!

Special thanks to Cynthia Crossen for guiding me in this project, and to Maja Kricker for sharing her knowledge with the River Watch community and with our school and public outreach programs.

My heart is full of inspiration, gratitude and excitement as I leave this position with HRA and move on to a new job where I will be helping protect more watersheds, with an increased ability for outreach within communities and schools. Thank you beautiful river, thank you beautiful HRA community and Board members, and thank you beautiful Elaine Chiosso... I will always carry you close to my heart. “Boundaries don't protect rivers, people do.” (Brad Arrowsmith, Landowner along the Niobrara National Scenic River, Nebraska)

and the supercontinent Pangea. The rocks of the Haw River and North Carolina were now in the middle of Pangea!

...And Are Split Apart

When the supercontinent Pangea began to split apart, approximately 245 million years ago, the Atlantic Ocean was formed, as well as a system of rift basins all along the east coast of North America. The Triassic Basin is one of these, and is located along the southeastern side of the Haw River watershed. These rift basins filled in with sediments from eroding lands on either side – you can see these red and orange sandstones, siltstones and mudstones on Jordan Lake’s eastern banks. Over the next 240 million years, the Piedmont mountains were worn down to hills by erosion, and the Coastal Plain was formed.

The Haw River is Formed

Starting about 5 million years ago, the Piedmont began to slowly uplift due to forces in the earth’s crust. The streams and rivers became entrenched in their floodplains, causing them to down-cut their channels as the land surface slowly uplifted. Much of the Haw is just such an incised river, with steep banks in many places, and erosion continuing today. The headwaters of the Haw, in Forsyth, western Guilford, and Rockingham counties, are less incised compared to the Lower Haw. Here, the river is a meandering stream through upland swamps, heading slightly northeast before turning southward in its whitewater descent through Alamance and Chatham counties. Some geologists wonder if this was once a tributary of the Dan River, captured through geologic forces millions of years ago (stream piracy!) to become the headwaters of the Haw.

To read more about this amazing geologic history, please visit our website (www.hawriver.org) where we have links to materials by Phil Bradley, including some great graphics and photos. We wish to thank Phil Bradley and the North Carolina Geological Survey for sharing this information with us, and look forward to future field trips with him to look at the ancient rocks of the Haw River.

Union Bridge Paddle Access is Now Open!

The Union Bridge Paddle Access on Greensboro-Chapel Hill Road is now open! This is on the Alamance-Orange county line and is also known as the Old Greensboro Rd. Bridge. It is the 14th Paddle Access in the Alamance County portion of the Haw River Paddle Trail, completing almost 40 miles of Paddle Trail through the County. Union Bridge Paddle Access offers a parking area, informational kiosks with maps of the paddle trail, and a steel staircase leading down to the river for easy put-in and take-out for paddlers. Union Bridge serves as a halfway point between Saxapahaw Mill Race Paddle Access and the 15-501 Paddle Access at Bynum Dam in Chatham County, a 16 mile stretch. The paddle from Saxapahaw Mill Race Paddle Access down to Union Bridge Paddle Access is recommended as an intermediate section. This is a fun paddle with moving water and intermittent rapids, as well as a few leisurely sections with beautiful views of the river and its wildlife. The Haw River Trail’s **9th Annual YeeHaw! River Paddle** will take place on this stretch of the river on **May 14th** to celebrate the opening of the new access. To learn more about the Haw River Trail and upcoming events, please visit thehaw.org or call (336) 229-2380.

Photo by Elaine Chiosso



Clyde Jones Shirt “Cape Fear Shiner”

Designed by Clyde Jones, this is a beautiful picture of the little fish in the Haw River that is on the federal endangered species list. Raise awareness of the Cape Fear shiner by wearing this T-shirt - and supporting our efforts to restore our river! A colorful print on a soft blue 100% organic cotton T-shirt by TS Designs in Burlington, using their environmentally friendly non-toxic process.

\$25 (adult) S, M, L, XL, XXL
\$25 (ladies style) S, M, L, XL
\$20 (youth) S, M, L



Available from HRA at the HRA office in Bynum (call first at 919-542-5790); or by mail from HRA, P.O. Box 187, Bynum, NC 27228 (add \$3/shirt for shipping). Also available at Townsend Bertram in Carrboro, Saxapahaw General Store, & The Joyful Jewel in Pittsboro.

Books celebrating the River!

“Down Along the Haw - The History of a North Carolina River” by Anne Cassebaum is once again in print. This rich geographic, natural and cultural history tells the story of the Haw River, and its people, from the source to the confluence with the Cape Fear. \$28 (includes postage)

“River” is a beautiful art book created by Shelly Hehenberger, with paintings by 36 artists from the Orange County Artists Guild. The group has chosen the Haw River Assembly to be the recipients of proceeds from the book sales. \$30 (includes postage)

To purchase books (postage included in price) or T-shirts (add \$3/shirt for shipping) from HRA, send your check to HRA, P.O. Box 187, Bynum NC 27228.

Upcoming 2016 HRA Events

Check www.hawriver.org for details & updates.

Sunday, April 17, Spring Paddle whitewater trip from Chicken Bridge to 15-501 with Frog Hollow Outdoors. For information and registration go to www.froghollowoutdoors.com (->exploring-nc-paddle-trips->haw-river).

Early May, Special field trip to see the mountain laurel in bloom along the Lower Haw River State Natural Area. Date to be determined by best bloom time! Let us know if you want to be informed, at info@hawriver.org.

Saturday, May 7, 4 - 8 pm, Haw River Festival in Saxapahaw. See page 1. More information at www.hawriver.org, (919) 542-5790.

Saturday, May 14, Haw River Trail's 9th Annual YeeHaw! River Paddle. Learn more at thehaw.org or (336) 229-2380.

Saturdays May 21 and June 18, Full Moon Paddle with Haw River Canoe and Kayak Co. Get info and register at hawrivercanoe.com (->full moon paddle).

June 23-24, Haw River Watch Monitoring week-end. For info contact (919) 542-5790, info@hawriver.org.

September 24 - October 14, Haw River Learning Celebration for 4th-graders. It's not too soon to sign up to volunteer! For more info, or to volunteer, go to www.hawriver.org (->projects->4th-grade-field-trip).

Check HRA's website, www.hawriver.org, for information on other field trips.



Ken Moore points out the beauty of trees and wildflowers along the Haw in Bynum, on the HRA April 3 wildflower walk.

Photo by Elaine Chiosso

**Haw River Festival
Sat. May 7, 2016
4 - 8 pm, Saxapahaw**

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